

A / generating image data based on the performed acquisition;
generating quantitative data based on the performed acquisition; and
constructing a DICOM compatible file, the image data being provided in an image data field and the quantitative data being provided in a field of the DICOM compatible file other than the image data field.

18. (Amended) A method of generating a DICOM file including embedded quantitative data, said method comprising:

12 generating a report image file from quantitative data;
embedding the report image file as an image file portion of the DICOM file; and
embedding the quantitative data, used to create the report image file, in a field of the DICOM file other than the image data field.

23. (Amended) A computer executable software code stored on a computer readable medium, the code for creating a DICOM compliant file, said code comprising:

12 code for creating a report, including quantitative data, from acquisition data generated by an image capture device or another form of data entry;
code for creating a bitmap image file representing the created report;
code for embedding the bitmap image file in an image field of a DICOM compliant file; and
code for embedding the quantitative data in a field of the DICOM compliant file other than the image field.